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012064985 **Image available**

WPI Acc No: 1998-481896/199842

XRPX Acc No: N98-375859

Device for transferring movement for fuel injection valve in motor vehicle engine - has compensation arrangement which fully compensates short duration differences between pressure in pressure and equalisation chambers; and long-term pressure differences are almost completely compensated

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Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 19708304	A1	19980910	DE 1008304	A	19970228	199842	B
FR 2760255	A1	19980904	FR 982089	A	19980220	199842	
DE 19708304	C2	19990930	DE 1008304	A	19970228	199944	

Priority Applications (No Type Date): DE 1008304 A 19970228

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

DE 19708304 A1 9 H02N-002/04

FR 2760255 A1 F02M-051/06

DE 19708304 C2 H02N-002/04

Abstract (Basic): DE 19708304 A

The device has a pressure chamber (5) at least partially filled with a transfer medium and bounded at least partly by a first flexible element (6). A compensation chamber is connected to the pressure chamber. The connection (10) and the transfer medium are designed so that short duration pressure differences between the pressure in the pressure chamber (5) and the pressure in the equalisation chamber (7) are almost fully compensated and long-term pressure differences are almost completely compensated.

The pressure chamber and the compensation chamber are arranged in a transfer module and the compensation chamber interacts with an arrangement (8) which defines the pressure in the compensation chamber and its vol.

ADVANTAGE - Movement of actuator is transferred by partic. compact and simply mounted device.

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Title Terms: DEVICE; TRANSFER; MOVEMENT; FUEL; INJECTION; VALVE; MOTOR; VEHICLE; ENGINE; COMPENSATE; ARRANGE; COMPENSATE; SHORT; DURATION; DIFFER; PRESSURE; PRESSURE; EQUAL; CHAMBER; LONG; TERM; PRESSURE; DIFFER; COMPLETE; COMPENSATE

Derwent Class: Q53; Q57; X22

International Patent Class (Main): F02M-051/06; H02N-002/04

International Patent Class (Additional): F02M-047/04; F02M-061/16;

F15B-005/00

File Segment: EPI; EngPI

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